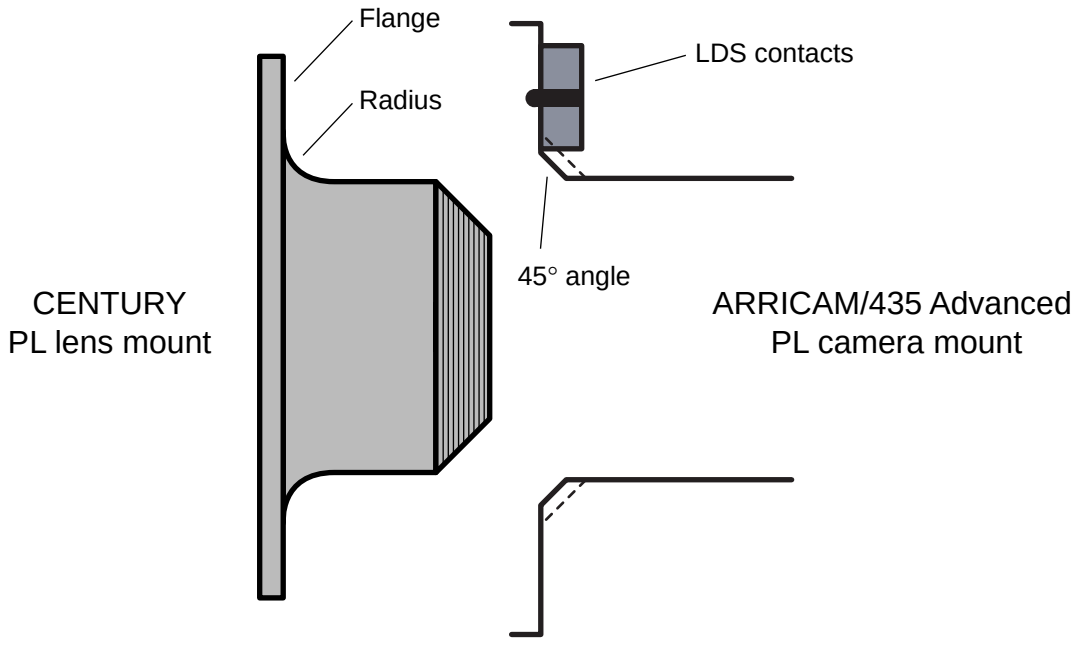
ARRI TECHNICAL NOTE P-1028

CENTURY PL Mounts on ARRICAM & 435 Advanced
November 15, 2001

Summary
This note describes why Century PL mounts do not fit on the ARRICAM and 435 Advanced PL mount, and how to remedy this problem.

Problem
PL mounts manufactured by CENTURY Precision Optics cannot be mounted on PL mounts with LDS contacts used on ARRICAM and 435 Advanced cameras. It is not possible to insert the lens all the way into the camera's PL mount. This is also the case with CENTURY extenders.

Reason
Unlike Zeiss PL mounts, CENTURY mounts have a slight radius in the 45° angle behind the flange.
On ARRIFLEX cameras this doesn't cause a problem because the 45° angle on the camera PL mount (dashed lines in drawing) is deep enough to accommodate this radius.
On ARRICAM and 435 Advanced cameras this 45° angle had to be moved out to avoid interference with the LDS contacts. This makes it too shallow to accommodate the CENTURY lens mount radius.



Remedy
We recommend to mill down the radius on all CENTURY PL mounts.

For more information on this issue, please contact your local ARRI representative.